

Environmental Protection Agency

§ 413.01

In addition to the prohibitions set forth in 40 CFR 128.131, the pretreatment standard for incompatible pollutants introduced into a publicly owned treatment works shall be the standard of performance for new sources specified in 40 CFR 412.15; *Provided That*, if the publicly owned treatment works which receives the pollutants is committed, in its NPDES permit, to remove a specified percentage of any incompatible pollutant, the pretreatment standard applicable to users of such treatment works shall, except in the case of standard providing for no discharge of pollutants, be correspondingly reduced in stringency for that pollutant.

PART 413—ELECTROPLATING POINT SOURCE CATEGORY

GENERAL PROVISIONS

- Sec.
- 413.01 Applicability and compliance dates.
- 413.02 General definitions.
- 413.03 Monitoring requirements.
- 413.04 Standards for integrated facilities.

Subpart A—Electroplating of Common Metals Subcategory

- 413.10 Applicability: Description of the electroplating of common metals subcategory.
- 413.11 Specialized definitions.
- 413.12–413.13 [Reserved]
- 413.14 Pretreatment standards for existing sources.

Subpart B—Electroplating of Precious Metals Subcategory

- 413.20 Applicability: Description of the electroplating of precious metals subcategory.
- 413.21 Specialized definitions.
- 413.22–413.23 [Reserved]
- 413.24 Pretreatment standards for existing sources.

Subpart C—Electroplating of Specialty Metals Subcategory [Reserved]

Subpart D—Anodizing Subcategory

- 413.40 Applicability: Description of the anodizing subcategory.
- 413.41 Specialized definitions.
- 413.42–413.43 [Reserved]
- 413.44 Pretreatment standards for existing sources.

Subpart E—Coatings Subcategory

- 413.50 Applicability: Description of the coatings subcategory.
- 413.51 Specialized definitions.
- 413.52–413.53 [Reserved]

- 413.54 Pretreatment standards for existing sources.

Subpart F—Chemical Etching and Milling Subcategory

- 413.60 Applicability: Description of the chemical etching and milling subcategory.
- 413.61 Specialized definitions.
- 413.62–413.63 [Reserved]
- 413.64 Pretreatment standards for existing sources.

Subpart G—Electroless Plating Subcategory

- 413.70 Applicability: Description of the electroless plating subcategory.
- 413.71 Specialized definitions.
- 413.72–413.73 [Reserved]
- 413.74 Pretreatment standards for existing sources.

Subpart H—Printed Circuit Board Subcategory

- 413.80 Applicability: Description of the printed circuit board subcategory.
- 413.81 Specialized definitions.
- 413.82–413.83 [Reserved]
- 413.84 Pretreatment standards for existing sources.

AUTHORITY: Secs. 301, 304(g), 307, 308, 309, 402, 405, 501(a), Clean Water Act, as amended, (33 U.S.C. 1311, 1314(g), 1317, 1318, 1319, 1322, 1325 and 1341(a)).

SOURCE: 46 FR 9467, Jan. 28, 1981, unless otherwise noted.

GENERAL PROVISIONS

§ 413.01 Applicability and compliance dates.

(a) This part shall apply to electroplating operations in which metal is electroplated on any basis material and to related metal finishing operations as set forth in the various subparts, whether such operations are conducted in conjunction with electroplating, independently, or as part of some other operation. The compliance deadline for metals and cyanide at integrated facilities shall be June 30, 1984. The compliance date for metals and cyanide at non-integrated facilities shall be April 27, 1984. Compliance with TTO for all facilities shall be July 15, 1986. These part 413 standards shall not apply to a facility which must comply with all the pollutant limitations listed in § 433.15 (metal finishing PSES).

(b) Operations similar to electroplating which are specifically excepted from coverage of this part include:

(1) Electrowinning and electrorefining conducted as a part of nonferrous metal smelting and refining (40 CFR part 421);

(2) Metal surface preparation and conversion coating conducted as a part of coil coating (40 CFR part 465);

(3) Metal surface preparation and immersion plating or electroless plating conducted as a part of porcelain enameling (40 CFR part 466); and

(4) Electrodeposition of active electrode materials, electroimpregnation, and electroforming conducted as a part of battery manufacturing (40 CFR part 461).

(c) Metallic platemaking and gravure cylinder preparation conducted within or for printing and publishing facilities, and continuous strip electroplating conducted within iron and steel manufacturing facilities which introduce pollutants into a publicly owned treatment works are exempted from the pretreatment standards for existing sources set forth in this part.

(Secs. 301, 304, 306, 307, 308, and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1251 *et seq.*, as amended by the Clean Water Act of 1977, Pub. L. 95-217))

[46 FR 9467, Jan. 28, 1981, as amended at 48 FR 32482, July 15, 1983; 48 FR 41410, Sept. 15, 1983; 51 FR 40421, Nov. 7, 1986]

§ 413.02 General definitions.

In addition to the definitions set forth in 40 CFR part 401 and the chemical analysis methods set forth in 40 CFR part 136, both of which are incorporated herein by reference, the following definitions apply to this part:

(a) The term *CN,A* shall mean cyanide amenable to chlorination as defined by 40 CFR 136.

(b) The term *CN,T* shall mean cyanide, total.

(c) The term *Cr,VI* shall mean hexavalent chromium.

(d) The term *electroplating process wastewater* shall mean process wastewater generated in operations which are subject to regulation under any of subparts A through H of this part.

(e) The term *total metal* is defined as the sum of the concentration or mass of Copper (Cu), Nickel (Ni), Chromium (Cr) (total) and Zinc (Zn).

(f) The term *strong chelating agents* is defined as all compounds which, by virtue of their chemical structure and amount present, form soluble metal complexes which are not removed by subsequent metals control techniques such as pH adjustment followed by clarification or filtration.

(g) The term *control authority* is defined as the POTW if it has an approved pretreatment program; in the absence of such a program, the NPDES State if it has an approved pretreatment program or EPA if the State does not have an approved program.

(h) The term *integrated facility* is defined as a facility that performs electroplating as only one of several operations necessary for manufacture of a product at a single physical location and has significant quantities of process wastewater from non-electroplating manufacturing operations. In addition, to qualify as an "integrated facility" one or more plant electroplating process wastewater lines must be combined prior to or at the point of treatment (or proposed treatment) with one or more plant sewers carrying process wastewater from non-electroplating manufacturing operations.

(i) the term *TTO* shall mean total toxic organics, which is the summation of all quantifiable values greater than 0.01 milligrams per liter for the following toxic organics:

Acenaphthene
Acrolein
Acrylonitrile
Benzene
Benzidine
Carbon tetrachloride (tetrachloromethane)
Chlorobenzene
1,2,4-trichlorobenzene
Hexachlorobenzene
1,2-dichloroethane
1,1,1-trichloroethane
Hexachloroethane
1,1-dichloroethane
1,1,2-trichloroethane
1,1,2,2-tetrachloroethane
Chloroethane
Bis (2-chloroethyl) ether
2-chloroethyl vinyl ether (mixed)
2-chloronaphthalene
2,4,6-trichlorophenol
Parachlorometa cresol